

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- 285

Date:- 27-05-2022

NAME OF SITE

GRAM PANCHAYAT- Asadpur Dhamrolli BLOCK- Noorpur DISTT- Bijnore

NAME OF AGENCY

M/s LC Infra Projects Pvt. Ltd.
Ahmadabad.



GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ASADPUR DHAMROLLI, BLOCK- NOORPUR
DISTT- BIJNOR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 163 mtrs. depth. and Logged depth 161 mtrs. at above site. Was drilled by M/s LC Infra Projects Pvt. Ltd., Ahmadabad.

On the request of M/s LC Infra Projects Pvt. Ltd., Ahmadabad. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 27.May.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 22	12	Fine sand	
4.	22 - 26	4	Clay kankar	
5.	26 - 65*	39	Medium sand	Good
6.	65 - 76	11	Clay kankar	
7.	76 - 116*	40	Medium sand	Good
8.	116 - 131	15	Clay kankar	
9.	131 - 140*	9	Medium sand	Good
10.	140 - 143	3	Kankar	
11.	143 - 147*	4	Fine to Medium sand	Good
12.	147 - 161	14	Clay kankar	



Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starta chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Good.
4. Expected discharge is 1000 to 1100 L.P.M.
5. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
6. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.

Geophysicist



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Logging VI
 Asadpurdhamrolli
 Block Noorpur Distt
 Bijinor
 LOGGINGUP
 27 May 2022
 15:52
 Utkarsh Gupta (AG)

- Rho a
- ▬ N16 (SN)
 - ▬ N64(LN)
 - ▬ LAT

SP (m V)

